

*Draft B3*

8. (Amended) A system for recreating a complex data object having a structure, the system comprising:

a persistent representation of the structure of the complex data object and containing a sequence of directly executable instructions, wherein the instructions are calls to a predefined set of data types and methods for creating complex data objects;

a library having the predefined set of data types and methods for creating complex data objects; and

a program interpreter for directly executing the instructions as a sequence of calls on the library so as to directly construct the complex data object from the persistent representation.

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10. (Amended) A system for recreating a complex data object from a persistent representation of its structure, the system comprising:

a library having a predefined set of data types and methods for creating complex data objects; and

a program interpreter for interpreting the contents of the persistent representation as a sequence of directly executable instructions, and for executing those instructions as a sequence of calls on the library so as to construct the complex data object directly from the persistent representation.

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19. (Amended) A storage medium containing computer-executable instructions and data for interpreting a persistent representation of the structure of a complex data object as a sequence of directly executable virtual instructions for directly constructing the complex data object as a series of calls on a library of predefined functions.

Please add Claims 22-27 as follows:

22. (New) A computer-readable medium having computer-executable instructions for performing the method recited in any one of Claims 1 - 7.

23. (New) A computer system having a processor, a memory, and an operating environment, the computer system being operable for performing the method recited in any one of Claims 1 - 7.

24. (New) The system of Claim 8, wherein the program interpreter is a virtual machine located in a computer in which the complex data object is presented to the user.

25. (New) The system as recited in Claim 24, wherein the program interpreter is a stack-based virtual machine.

26. (New) The system as recited in Claim 25, wherein the stack-based virtual machine further includes a temporary storage array.

27. (New) The system of Claim 10, wherein the library is an application program interface.

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